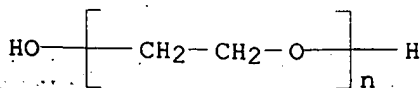


K

L62 ANSWER 4 OF 13 HCAPLUS COPYRIGHT 2002 ACS
AN 1992:136170 HCAPLUS
DN 116:136170
TI Water based silicone elastomer **controlled release**
tablet film coating VI: The effect of **tablet** shape
AU Li, Luk Chiu; Peck, Garnet E.
CS Sch. Pharm. Pharm. Sci., Purdue Univ., West Lafayette, IN, 47907, USA
SO Drug Dev. Ind. Pharm. (1992), 18(3), 333-43
CODEN: DDIPD8; ISSN: 0363-9045
DT Journal
LA English
CC 63-6 (Pharmaceuticals)
AB The silicone elastomer latex contg. colloidal silica and
polyoxyethylene glycol 8000 was shown to produce
controlled release film coating on **KCl**
tablets with different shapes. The **tablet** shape did not
affect the zero-order **release** characteristic of the active
ingredient from the coated **tablets**. With the same coating wt.,
the capsule shaped **tablets** exhibited a faster drug
release rate as compared to the oval and round deep-cut
shaped **tablets**.
ST **controlled release tablet** silicone rubber
coating
IT Rubber, silicone, biological studies
RL: BIOL (Biological study)
(film coatings, for **controlled-release**
tablets)
IT Solution rate
(of drug, from silicone rubber-coated **controlled-**
release tablets, shape in relation to)
IT **Pharmaceutical dosage forms**
(**tablets**, **controlled-release**, silicone
rubber film-coated, drug **release** from, shape in relation to)
IT 7631-86-9, Silica, biological studies
RL: BIOL (Biological study)
(colloidal, silicone rubber contg., for **controlled-**
release tablet coatings)
IT 7447-40-7, Potassium chloride, properties
RL: PRP (Properties)
(**controlled release** of, from **tablets**
coated with silicone rubber films, shape in relation to)
IT 25322-68-3, Polyethylene glycol
RL: BIOL (Biological study)
(silicone rubber contg., for **controlled-release**
tablet coating)
IT 7447-40-7, Potassium chloride, properties
RL: PRP (Properties)
(**controlled release** of, from **tablets**
coated with silicone rubber films, shape in relation to)
RN 7447-40-7 HCAPLUS
CN Potassium chloride (KCl) (9CI) (CA INDEX NAME)

Cl-K

IT 25322-68-3, Polyethylene glycol
RL: BIOL (Biological study)
(silicone rubber contg., for **controlled-release**
tablet coating)
RN 25322-68-3 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy- (9CI) (CA INDEX
NAME)



controlled porosity walls effect on)
RN 7447-40-7 HCAPLUS
CN Potassium chloride (KCl) (9CI) (CA INDEX NAME)

Cl-K

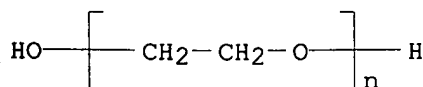
L62 ANSWER 12 OF 13 HCAPLUS COPYRIGHT 2002 ACS
AN 1983:581405 HCAPLUS
DN 99:181405
TI Production of **sustained-release tablet**
hydrophilic matrixes with poly(vinyl alcohol)
AU Suess, W.
CS Abteilung Klin. Pharm., Klin. Hubertusburg, Wermsdorf, Ger. Dem. Rep.
SO Pharmazie (1983), 38(7), 476-8
CODEN: PHARAT; ISSN: 0031-7144
DT Journal

LA German
CC 63-6 (Pharmaceuticals)
AB Li2CO3, KCl, and NaF **tablets** were prepd. with
poly(vinyl alc.) [9002-89-5], and the effects of drug concn., addn. of
talc (glidant), Mg stearate [557-04-0] (hydrophobic lubricant),
polyethylene glycol 6000 [25322-68-3]
(hydrophilic lubricant) and potato starch [9005-25-8] (disintegrant) on
release rates were detd. **Release**
rates were increased by increasing drug concn., by glidant concns.
.gtoreq.30% by vol., by hydrophilic lubricant and disintegrant. Mg
stearate decreased **release rates**. Storage of
tablets contg. Li2CO3 39.1, poly(vinyl alc.) 58.6,
polyethylene glycol 6000 1.3, and potato starch 1.0% by
vol. at 35.degree. showed no changes after 60 days; storage at 75.degree.
was assocd. with discoloration, but the **release rate**
was not affected. Adjusting starch and Mg stearate concns. can be used to
control release rates.
ST **tablet** hydrophilic matrix; polyvinyl alc **tablet**;
sustained release tablet matrix; lubricant
tablet drug release; glidant **tablet drug**
release
IT **Solution rate**
(of drugs, from **sustained-release tablets**
, lubricants and glidants effect on)
IT **Tablets**
(**sustained-release**, disintegration and soln.
rates of)
IT 9002-89-5
RL: BIOL (Biological study)
(**sustained-release tablet** matrix contg.,
disintegration and soln. **rates of**)
IT 554-13-2 7447-40-7, biological studies 7681-49-4, biological
studies
RL: BIOL (Biological study)
(**sustained-release tablets**,
disintegration and soln. **rates of**)
IT 557-04-0 9005-25-8, biological studies 14807-96-6, uses and
miscellaneous 25322-68-3
RL: BIOL (Biological study)
(**tablet** disintegration and soln. **rates in relation**
to)
IT 7447-40-7, biological studies
RL: BIOL (Biological study)
(**sustained-release tablets**,
disintegration and soln. **rates of**)
RN 7447-40-7 HCAPLUS
CN Potassium chloride (KCl) (9CI) (CA INDEX NAME)

AN 1991:108860 HCAPLUS
 DN 114:108860
 TI Water based silicone elastomer controlled release
 tablet film coating. V. A statistical approach
 AU Li, Luk Chiu; Peck, Garnet E.
 CS Coll. Pharm., Univ. Oklahoma, Oklahoma, OK, 73190, USA
 SO Drug Dev. Ind. Pharm. (1991), 17(1), 27-37
 CODEN: DDIPD8; ISSN: 0363-9045
 DT Journal
 LA English
 CC 63-6 (Pharmaceuticals)
 AB The silicone elastomer latex formulated with polyethylene
 glycol (PEG) and colloidal silica produced a
 controlled-release film coating on KCl
 tablets. The release rate of KCl
 was controlled by the total amt. of PEG and the wt.
 fraction of PEG 8000 and 1450 incorporated in the coating. A
 math. model was developed to quantitate the effect of coating components
 on the drug release rate using the statistical extreme
 vertices design. The predictive capability of this functional
 relationship was tested and validated exptl.
 ST silicone rubber coating controlled release
 tablet
 IT Rubber, silicone, biological studies
 RL: BIOL (Biological study)
 (controlled-release tablets film-coated
 with)
 IT Process simulation, biological
 (of drug release from silicone rubber film-coated
 controlled-release tablets)
 IT Solution rate
 (of drugs, from silicone rubber film-coated controlled-
 release tablets)
 IT Pharmaceutical dosage forms
 (tablets, controlled-release,
 film-coated, silicone rubber)
 IT 7447-40-7, Potassium chloride, biological
 studies 25322-68-3
 RL: BIOL (Biological study)
 (controlled-release tablets contg.,
 silicone rubber film coating for)
 IT 7447-40-7, Potassium chloride, biological
 studies 25322-68-3
 RL: BIOL (Biological study)
 (controlled-release tablets contg.,
 silicone rubber film coating for)
 RN 7447-40-7 HCAPLUS
 CN Potassium chloride (KCl) (9CI) (CA INDEX NAME)

Cl-K

RN 25322-68-3 HCAPLUS
 CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy- (9CI) (CA INDEX
 NAME)



L75 ANSWER 3 OF 68 HCAPLUS COPYRIGHT 2002 ACS
 AN 1999:760273 HCAPLUS
 DN 132:83527
 TI Comparative study of the **dissolution** profiles of
potassium chloride tablets marketed in Brazil
 AU Ferraz, Humberto G.; Pinho, Jose De Jesus R. G.; Uehara, Ana Claudia;
 Reis, Maria Tereza L.; Siguenaga, Audrey M.
 CS Departamento de Farmacia, Faculdade de Ciencias Farmaceuticas,
 Universidade de Sao Paulo, Sao Paulo, SP, 05508-900, Brazil
 SO Revista Brasileira de Ciencias Farmaceuticas (1999), 35(1), 95-99
 CODEN: RBCFFM; ISSN: 1516-9332
 PB Universidade de Sao Paulo, Faculdade de Ciencias Farmaceuticas
 DT Journal
 LA Portuguese
 AB USP std. **dissoln.** tests with 2 brands (A and B, 2 batches each)
 of **KCl tablets** marketed in Brazil were evaluated. The
dissolved K concns. were detd. by flame photometry. The results
 indicated a large difference between the 2 brands; one brand did not
 comply with the USP specifications and **released** the drug faster.
 This may pose a risk for the patient because higher concns. of **KCl**
 can cause adverse side-effects.
 IT **7447-40-7, Potassium chloride**, biological
 studies
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (**potassium chloride tablets** from Brazil
 markets comparison for **dissoln.** profiles)
 RN 7447-40-7 HCAPLUS
 CN Potassium chloride (KCl) (9CI) (CA INDEX NAME)

C1-K

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L75 ANSWER 4 OF 68 HCAPLUS COPYRIGHT 2002 ACS
 AN 1999:549137 HCAPLUS
 DN 131:175079
 TI **Controlled release potassium**
chloride pellet based pharmaceutical compositions having a high
 active ingredient content
 IN Nagy, Tibor; Pataki, Karoly; Gunther, Gabor; Fekete, Pal; Farago, Gabor;
 Lady, Blanka
 PA Egis Gyogyszergyar Rt., Hung.
 SO PCT Int. Appl., 43 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9942087	A2	19990826	WO 1999-HU13	19990219
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,				
	DK, EE, ES, FI, GB, GE, GH, GM, HR, ID, IL, IS, JP, KE, KG, KP,				
	KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO,				
	NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA,				
	UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,				
	FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,				
	CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9925404	A1	19990906	AU 1999-25404	19990219
PRAI	HU 1998-369		19980220		